

U. G. M. I. T, RAYAGADA

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG

ACADEMIC LESSON PLAN FOR SUMMER SEMESTER-2023

NAME OF THE FACU	Smita Patnaik	DEPT	ETC			
SEMESTER	4th	SUBJECT	Analog Electronics and IC Lab			
NO. OF PERIODS PER WEEK	4	TOTAL PERIODS	60			
END SEMESTER EXAM	50	SESSIONAL	50			
TOTAL MARKS	100					

WEEK	PERIOD	GUIDE	TOPIC TO BE COVERED
1st	2	LAB PRACTICE WITH USING LAB MANUAL AND RECORD MAINTENANCE PROPERLY	Determine the forward and reverse bias of diode
	2		construction bridge rectifier
2nd	2		Determined the ripple factor
	2		Determined the input a
3rd	2		Determined output characteristics of CE
	2		Transistor regulator using zener diode
4th	2		Study the two stage amplifier
	2		Find the gain of class A
5th	2		Find the gain amplifier of Class B
	2		Construction of pushpull amplifier
6th	2		Determine the drain of JFET
	2		Construction and calculation of frequency of heartly oscillator
7th	2		Find frequency of colpitt oscillator
	2		Find frequency of wein bridge oscillator
8th	2		Find the frequency of phase shift oscillator
	2		construction ic 555
9th	2		waveform of clippers circuit
	2		waveform of clamper circuit
10th	2		Test voltage power supply of 78xx
	2		Test voltage power supply of LM723
11th	2		Study of 741 ic
	2		study of inverting amplifier
12th	2		Study of integrator
	2		study of window comparator
13th	2		study of summing amplifier
	2		study of differentiator amplifier
14th	2		VI characteristics of zener diode
	2		Test voltage power supply of 79xx
15th	2		Study of subtractor amplifier